

# SHORT STREET PARKING STRUCTURE

COLUMBIA, MISSOURI



## Parking Data:

Total Number of Spaces	423
Number of Levels	5

## Construction Schedule/Cost:

Probable Construction Cost	\$8,000,000 - \$8,500,000
Projected Substantial Completion	August, 2013

## Project Overview:

- Cast-in-place, unbounded post-tensioned structural system.
- Precast façade with thin-set brick to compliment surrounding area architecture, including the proposed boutique hotel.
- Designated parking for approximately 100 hotel parkers.
- Integrated with proposed mixed use space at the north elevation of the parking structure along Walnut Street.
  - Shared foundation elements.
  - Shared use of vertical circulation core.
- Short Street remains a functional roadway through the parking structure between Broadway and Walnut. 14'-0" clearance is provided through the parking structure along Short Street.
- Pedestrian access is maintained between Broadway and Walnut both through the parking structure along Short Street and along the west elevation.
- Structure incorporates two stair/elevator towers and one stair tower for vertical circulation of patrons. Towers are designed with punched window openings for enhanced passive security.
- Parking access and revenue control system is a gated, pay-on-foot system.
  - Transient or daily parkers pay for parking using pay stations located at the ground tier stair and stair/elevator tower lobbies.
  - Access for contract or monthly parkers is controlled by proximity card technology.
- Lighting system utilizes energy efficient LED fixtures.
- Project will incorporate a 1% of construction cost for the arts participation.
- Structure is designed for a 50+ year service life with proper maintenance. Enhanced durability features include:
  - Use of Calcium Nitrite admixtures in the slabs and beams to inhibit the onset of the corrosion process.
  - Use of epoxy coated reinforcing at the top layer of slab reinforcing to resist corrosion.